

THE MBN QUALITY ASSURANCE PROGRAM

INTERNAL QUALITY ASSURANCE PROGRAM AT MBN

Pre-analytical phase

There is a comprehensive manual on specimen collection, packaging storage and shipping that can be shared with the MBN's corporate clients upon request.

Analytical Phase

The following are done at this phase to ensure you get quality results:

1. Standard Operating procedures (SOPs)

Almost all tests, processes, and procedures are performed according to written SOPs (assay, equipment, and administrative) that are enforced by the supervision team.

2. Quality Control (QC) Testing

We evaluate test systems by running known positive and negative QC samples in parallel with patient samples. QC samples must give the expected results before a patient result is reported.

3. Post testing validation of results

This is routinely done to ensure clerical errors are effectively minimized.

4. Laboratory Information System (LIS)

MBN uses a fully automated computerized LIS to manage samples and results, thus significantly reducing human errors during sample/results management.

5. Test method validation

We do parallel testing of new analytical systems to be sure the new system is accurate.

6. Equipment quality systems

- MBN uses state of the art equipment mainly acquired from certified manufacturers.
- Equipment are serviced and calibrated regularly.
- Refrigerators and freezers are monitored daily for temperature variations
- There is an automatic back-up generator in case of power shortages.

7. Staff

- Only qualified personnel are employed at MBN.
- Our staffs undergo specific task-based training before they perform the tests.

8. Bio-safety

- The staff of MBN Clinical Laboratories work under bio safe conditions.
- Bio safety SOPs and guidelines are well written, signed and followed to the dot.

9. GCP (Good Clinical Practice)

Laboratory processes and procedures done at MBN Clinical Laboratories are performed according to GCP – including testing procedures, documentation, workflow issues, etc. almost all staff GCP-trained.

EXTERNAL QUALITY ASSURANCE (EQA) PROGRAM AT MBN

MBN participates in external quality assurance Programs offered by national and international bodies. Our Proficiency Testing (PT) sample providers include:

- Uganda Virus Research Institute (UVRI) – for HIV, Hepatitis B, Syphilis and CD4 tests
- Supra-National TB Reference Laboratory Kampala for TB diagnostics.
- HUQAS Nairobi, Kenya for Chemistry, Haematology and Microbiology tests.
- One World Accuracy, Canada and UVRI for COVID-19 (SARS-CoV-2) PCR Tests.
- Collaborative Testing Services (CTS) USA, for DNA Relationship/Paternity testing

Accreditation

Our DNA Testing Lab is undergoing assessment for AABB Accreditation.

Our COVID-19 Testing Laboratory is certified by the Ministry of Health Kampala, Uganda.